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OM nucleic - nucleic search, using sw model
                                        GenCore version 5.1.6
                                        Copyright (c) 1993 - 2004 Compugen Ltd.

Run on:         February 24, 2004, 11:09:36 ; Search time 147 Seconds
                                        (without alignments)
                                        6312.094 Million cell updates/sec

Title:          US-10-063-675-17
Perfect score:  1672
Sequence:       1 gcagcggcgaggcggcggtg...........aaaaaaaaaaaaaaaaaa 1672

Scoring table:  IDENTITY_NUC
                Gapop 10.0 , Gapext 1.0
Searched:       682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters:   1365418

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :      Issued_Patents_NA:*
                1: /cgn2_6/ptodata/2/ina/5A_COMB.seq:*
                2: /cgn2_6/ptodata/2/ina/5B_COMB.seq:*
                3: /cgn2_6/ptodata/2/ina/6A_COMB.seq:*
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                5: /cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:*
                6: /cgn2_6/ptodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

                                SUMMARIES
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| Result No. | Score | % Query Match | Length | DB | ID | Description |
|---|---|---|---|---|---|---|
| 1 | 911.4 | 54.5 | 1124 | 2 | US-08-966-316-11 | Sequence 11, Appli |
| 2 | 359.6 | 21.5 | 2876 | 4 | US-09-489-847-22 | Sequence 22, Appl |
| 3 | 348.2 | 20.8 | 2871 | 4 | US-08-489-847-111 | Sequence 111, App |
| 4 | 93 | 5.6 | 1091 | 4 | US-09-328-965-1 | Sequence 1, Appl |
| 5 | 91.6 | 5.5 | 396 | 4 | US-09-640-173-33 | Sequence 33, Appl |
| 6 | 91.6 | 5.5 | 396 | 4 | US-09-713-550-33 | Sequence 33, Appl |
| 7 | 90.4 | 5.4 | 396 | 4 | US-09-713-550-53 | Sequence 53, Appl |
| 8 | 90.4 | 5.4 | 396 | 4 | US-09-640-173-53 | Sequence 53, Appl |
| 9 | 89.6 | 5.4 | 396 | 4 | US-09-713-550-53 | Sequence 53, Appl |
| 10 | 89.6 | 5.4 | 1582 | 3 | US-08-545-196B-10 | Sequence 10, Appl |
| 11 | 88.2 | 5.3 | 1582 | 3 | US-08-545-196B-12 | Sequence 12, Appl |
| 12. | 88.2 | 5.3 | 1342 | 4 | US-09-489-847-89 | Sequence 89, Appl |
| 13 | 87.4 | 5.3 | 1066 | 4 | US-08-157-101A-4 | Sequence 4, Appl |
| 14 | 87.4 | 5.2 | 2447 | 2 | US-09-014-969-14 | Sequence 14, Appl |
| 15 | 87 | 5.2 | 194 | 4 | US-09-621-976-9596 | Sequence 9596, Ap |
| 16 | 86.8 | 5.2 | 1117 | 3 | US-09-247-373B-33 | Sequence 33, Appl |
| 17 | 86.8 | 5.2 | 671 | 1 | US-09-800-729-79 | Sequence 79, Appl |
| 18 | 86.8 | 5.2 | 671 | 5 | PCT-US95-02275-1 | Sequence 1, Appl |
| 19 | 86.8 | 5.2 | 671 | 1 | US-09-967-908A-1 | Sequence 1, Appl |
| 20 | 86.4 | 5.2 | 990 | 4 | US-09-800-729-79 | Sequence 79, Appl |
| 21 | 86.4 | 5.2 | 3715 | 4 | US-09-234-245-1 | Sequence 1, Appl |
| 22 | 86.4 | 5.2 | 6409 | 4 | US-09-967-908A-1 | Sequence 1, Appl |
| 23 | 86.4 | 5.2 | 396 | 4 | US-09-640-173-10 | Sequence 10, Appl |
| 24 | 86.2 | 5.2 | 396 | 4 | US-09-967-908A-1 | Sequence 1, Appl |
| 25 | 86.2 | 5.1 | 396 | 3 | US-09-713-550-10 | Sequence 10, Appl |
| 26 | 86 | 5.1 | 2852 | 3 | US-09-027-137-2 | Sequence 2, Appli |
| 27 | 85.8 | 5.1 | 1641 | 1 | US-08-300-903A-8 | Sequence 8, Appli |
| 28 | 85.8 | 5.1 | 1641 | 4 | US-08-988-197-8 | Sequence 8, Appli |
| 29 | 85.4 | 5.1 | 1048 | 4 | US-09-489-847-38 | Sequence 38, Appli |
| 30 | 85.2 | 5.1 | 7724 | 4 | US-08-486-049-1 | Sequence 1, Appli |
| 31 | 85 | 5.1 | 1297 | 4 | US-09-800-729-80 | Sequence 80, Appl |
| 32 | 85 | 5.1 | 1474 | 4 | US-08-821-994-64 | Sequence 64, Appl |
| 33 | 84.8 | 5.1 | 323 | 4 | US-09-621-976-10374 | Sequence 10374, A |
| 34 | 84.6 | 5.1 | 177 | 4 | US-09-621-976-10047 | Sequence 1047, Ap |
| 35 | 84.6 | 5.1 | 639 | 4 | US-09-482-273-49 | Sequence 49, Appl |
| 36 | 84.6 | 5.1 | 1141 | 4 | US-09-800-729-78 | Sequence 78, Appl |
| 37 | 84.6 | 5.1 | 1736 | 3 | US-09-182-816-22 | Sequence 22, Appl |
| 38 | 84.6 | 5.1 | 1736 | 3 | US-09-182-816-24 | Sequence 24, Appl |
| 39 | 84.6 | 5.1 | 1736 | 3 | US-09-471-528-22 | Sequence 22, Appl |
| 40 | 84.6 | 5.1 | 1736 | 3 | US-09-471-528-24 | Sequence 24, Appl |
| 41 | 84.6 | 5.1 | 1736 | 3 | US-09-634-530-22 | Sequence 22, Appl |
| 42 | 84.6 | 5.1 | 1736 | 3 | US-09-634-530-24 | Sequence 24, Appl |
| 43 | 84.6 | 5.1 | 2323 | 4 | US-09-149-476-24 | Sequence 24, Appl |
| 44 | 84.6 | 5.1 | 2434 | 4 | US-09-489-847-67 | Sequence 67, Appl |
| 45 | 84.4 | 5.0 | 396 | 4 | US-09-640-173-16 | Sequence 16, Appl |

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                                ALIGNMENTS

RESULT 1
US-08-966-316-11
; Sequence 11, Application US/08966316
; Patent No. 5932445
; GENERAL INFORMATION:
;  APPLICANT: Lal, Preeti
;  APPLICANT: Au-Young, Janice
;  APPLICANT: Reddy, Roopa
;  APPLICANT: Murry, Lynn E.
;  APPLICANT: Mathur, Preete
;  TITLE OF INVENTION: SIGNAL PEPTIDE - CONTAINING PROTEINS
;  NUMBER OF SEQUENCES: 18
;  CORRESPONDENCE ADDRESS:
;  ADDRESSEE: Incyte Pharmaceuticals, Inc.
;  STREET: 3174 Porter Drive
;  CITY: Palo Alto
;  STATE: CA
;  COUNTRY: USA
;  ZIP: 94304
;  COMPUTER READABLE FORM:
;  MEDIUM TYPE: Diskette
;  COMPUTER: IBM Compatible
;  OPERATING SYSTEM: DOS
;  SOFTWARE: FastSEQ for Windows Version 2.0
;  CURRENT APPLICATION DATA:
;  APPLICATION NUMBER: US/08/966,316
;  FILING DATE: Herewith
;  CLASSIFICATION: 435
;  PRIOR APPLICATION DATA:
;  APPLICATION NUMBER:
;  FILING DATE:
;  ATTORNEY/AGENT INFORMATION:
;  NAME: Billings, Lucy J.
;  REGISTRATION NUMBER: 36,749
;  REFERENCE/DOCKET NUMBER: PF-0424 US
;  TELECOMMUNICATION INFORMATION:
;  TELEPHONE: 650-855-0555
;  TELEFAX: 650-845-4166
;  TELEX:
; INFORMATION FOR SEQ ID NO: 11:
;  SEQUENCE CHARACTERISTICS:
;  LENGTH: 1124 base pairs
;  TYPE: nucleic acid
;  STRANDEDNESS: single
;  TOPOLOGY: linear
;  IMMEDIATE SOURCE:
;  LIBRARY: LEUKNOT03
;  CLONE: 1880692
US-08-966-316-11
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Query Match          54.5%;  Score 911.4;  DB 2;  Length 1124;
Best Local Similarity  96.5%;   Pred. No. 1.2e-169;
Matches  954;  Conservative   0;  Mismatches   6;  Indels  29;  Gaps   1;

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Qy       61 --------------------ATGCGGGTCCGGATAGGGCTGACGGCTGCTGC   91
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Qy       92 TGTGTGCGGGTTGCGTGCTGCTGAGCTTGGCCTCCGGGGTTCCGGATAGGGCTGACGGCTGATG  151
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Qy      212 CAGGCAGAGTAGTTGCTGGTCAAATATTTCTTGATTCAGAAGAATCTGAAATTAGAAATCCT  271
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Qy      272 CTATTCAAGAGAGGAAGAAGCACAGCCCTCAAGAGCCCAAGAGGGGGAAAGTGTTCACAGAAGATA  331
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Db      307 CTATTCAAGAGAGGAAGAAGCACAGCCCTCAAGAGCCCAAGAGGGGGAAAGTGTTCACAGAAGATA  366

Qy      332 TCAGCTTTCTAGAGTCTCCAAATCCAGAAAACAAAGGACTATGAAGAGCCAAAGAAAGTAC  391
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Qy      452 TTCTTTTTCCTAGATTAAGGAGTAATGAATGTACATCAGATGTGGGGAGCGGAGATGGCAGAC  511
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Qy      572 AAGAGAGAGGCTGCTAAGAGACCGCAGAAGAGCCGCAGAAGTGCTTTATCTATCAAACTGGA  631
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Db      607 AAGAGAGAGGCTGCTAAGAGACCGCAGAAGAGCCGCAGAAGTGCTTTATCTATCAAACTGGA  666

Qy      632 TGAAAAATCCTTAATGAAGCAATAGAAGAAGGCCAAAAAAAGAGAAGAGAGACTATCGGGTATCTCC  691
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Db      667 CGAAAATCCTTAATGAAGCAATAGAAGAAGGCCAAAAAAAGAGAAGAGAGACCATACTCGGTATCTCC  726

Qy      692 AAAAGGCAGCAAGCAATGAAACCATACCAAAAGCCCTGGAGAGAGTGCAATGCTGTCTCTTTTAT  751
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Qy      872 TTAATTCAAGTCAGGAAAAGGCTCTTGTATTATATCATTTGGGAGAGCTTTGGGGGCAATC  931
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Db      967 TAATAGCCCACATGGTTTTGGGTTACAGA   995
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RESULT 2
US-09-489-847-22
; Sequence 22, Application US/09489847
; Patent No. 6476195
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al
;  TITLE OF INVENTION: 98 Human Secreted Proteins
;  FILE REFERENCE: PZ031P1
;  CURRENT APPLICATION NUMBER: US/09/489,847
;  CURRENT FILING DATE: 2000-01-24
;  EARLIER APPLICATION NUMBER: PCT/US99/17130
;  EARLIER FILING DATE: 1999-07-29
;  EARLIER APPLICATION NUMBER: 60/094,657
;  EARLIER FILING DATE: 1999-07-30
;  EARLIER APPLICATION NUMBER: 60/095,486
;  EARLIER FILING DATE: 1998-08-05
;  EARLIER APPLICATION NUMBER: 60/096,319
;  EARLIER FILING DATE: 1998-08-12
;  EARLIER APPLICATION NUMBER: 60/095,454
;  EARLIER FILING DATE: 1998-08-06
;  EARLIER APPLICATION NUMBER: 60/095,455
;  EARLIER FILING DATE: 1998-08-06
;  NUMBER OF SEQ ID NOS: 376
;  SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 22
;  LENGTH: 2876
;  TYPE: DNA
;  ORGANISM: Homo sapiens
US-09-489-847-22

Query Match          21.5%;  Score 359.6;  DB 4;  Length 2876;
Best Local Similarity  91.4%;   Pred. No. 1.4e-61;
Matches  404;  Conservative   0;  Mismatches   9;  Indels  29;  Gaps   1;

Qy        2 CAGCGCCGGAGCGGCGGCGGTGGTGGCTCGAGTCCGTGGTGGCGCAGGGCGGAAGGCCGACAGCTC-   60
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Qy       61 -------------------ATGCGGGTCCGGATAGGGCTGACGGCTGCTGCT   92
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Qy       93 GTGTGCGGGTTGCGTGCTGCTGAGCTTGGCCTCCGGGGTTCCGGATAGGGCTGACGGATGA  152
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Qy      153 ATCCTTAGATTCCAAGACTACTTTGACATCAGATGAGTCAGTAAGGACCATACTACTGC  212
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Qy      213 AGGCAGAGTAGTTGCTGGTCAAATATTTCTTGATTCAGAAGAATCTGAAATTAGAAATCCTC  272
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Qy      273 TATTCAAGAGAGGAAGAAGCACAGCCCTCAAGAGCCCAAGAGGGGGAAAGTGTTCACAGAAGATAT  332
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Qy      393 GAAACCAGCTTTGACCGCGCCATT  414
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Db      430 GAAACCAGGTAGTCTGACACATT  451
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RESULT 3
US-09-489-847-111
; Sequence 111, Application US/09489847
; Patent No. 6476195
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al
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